

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 3340.03US01

Nathalie Laurent-Chatenet et al.

Confirmation No.: 6495

Application No.: 09/786,173

Examiner: Tom Y. Lu

Filed: May 21, 2001

Group Art Unit: 2621

For: METHOD FOR ESTIMATING MOTION BETWEEN TWO IMAGES

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Sir:

Pursuant to 37 C.F.R. § 1.56, and in addition to information disclosed in Applicants' Information Disclosure Statement filed February 28, 2001, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Several of these references are cited in the specification of the application as filed. Three of the references submitted herewith are not in the English language. Concise statements of relevance for each reference are included below.

"Matrix numerical analysis applied to the art of the engineer" by Théodore Lascaux, Volume 1, pp 295-299, published by Masson, 1986, is in French. This reference

describes the decomposition technique known as an “LDL¹ profile.” According to one embodiment of the invention, this technique can be used to resolve the linear system and accelerate the treatment.

“Theories and algorithms” by Michel Minoux, Volume 1, pp 256-259, published by Dunod 1983, is in French. This reference describes the increased Lagrangian technique, which combines two optimization techniques, Lagrangian optimization and the optimization of external penalties. This reference also gives details of the Uzawa algorithm. The increased Lagrangian technique and the Uzawa algorithm are used in the invention.

“Méthodes numériques pour l’ingénieur: Résolution de systèmes linéaires par des méthodes directes: LDL’ et Choleski,” available at <http://asi.insa-rouen.fr/enseignement/siteUV/anatum/05syslndirect.pdf>, is also in French. This reference gives definitions of linear resolutions and shows use of the term “LDL’.”

This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Action or Notice of Allowance.

Attached is a check in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p). Please credit or debit Deposit Account No. 16-0631 as needed to ensure consideration of the disclosed information.

Respectfully submitted,



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Please grant any extension of time necessary for entry; charge any fee due to Deposit Account No. 16-0631.

CERTIFICATE OF MAILING

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Amy M. Samela

Substitute for form 1449/PTO		Complete if Known	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	3340.03US01
		Filing Date	May 21, 2001
		First Named Inventor	Nathalie Laurent-Chatnet et al.
		Art Unit	2621
		Examiner Name	Tom Y. Lu
Sheet 1 of 1	Attorney Docket Number	3340.03US01	
NON PATENT LITERATURE DOCUMENTS			
EXAMINER INITIAL [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		"Handbook of Numerical Analysis" by P.G. Ciarlet and J.L. Lions, Volume 2, pages 59-99, published by North Holland.	
		"Matrix numerical analysis applied to the art of the engineer" by Théodore Lascaux, Volume 1, pp 295-299, published by Masson, 1986.	
		"Theories and algorithms" by Michel Minoux, Volume 1, pp 256-259, published by Dunod 1983.	
		"Using Queries with Multi-Directional Functions for Numerical Database Applications" by Flodin, S., Orsborn, K., and Risch, T. Presented at the Second East-European Symposium on Advances in Databases and Information Systems (ADBIS '98), September 1998.	
		"Méthodes numériques pour l'ingénieur: Résolution de systèmes linéaires par des methods directes: LDL' et Choleski," available at http://asi.insa-rouen.fr/enseignement/siteUV/anum/05syslindirect.pdf .	
EXAMINER SIGNATURE	DATE CONSIDERED		
<p>[*]EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.</p> <p>This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.</p>			